UNIVERSITY OF EMBU

TECHNO- INNOVATION IN ACADEMIA CONCEPT

Using Techno-Innovations to accelerate provision of education and research

Increasingly, the education sector is driven by Information and Communication Technology-based innovations. Online and blended learning solutions, compliance with Government directives for digitalization in educational institutions, and advancements in Big Data, Artificial Intelligence, the Internet of Things (IOTs), the 4th Industrial Revolution, and Additive Manufacturing, are systems revolutionizing the Education Sector and broader economy. The academic and research institutions are the main drivers of these systems by providing the requisite technologies. The University of Embu has organized the Techno-Innovation Week exhibition on 24th and 25th October 2024 to bring in the technologies available in the market, to the users who include Academic and Research institutions and Regulators. The concept is to bring Universities, Research institutions and Regulators in the academic and research sectors together to sieve out technologies enhancing the realization of mandate and enabling business continuity by collaborating with key players in the technology industry.

1. More e-content on online for teaching and research,
2. Enhanced online support services such as fees payments,
3. increased student data, hence need for more storage capacity
4. e-filing, documents data safety etc

1. State–of–the–art technology to drive education, research and Innovation. More echnologies like LMS, ERPs, Bandwidth, Data servicing storage

2. More data stored due storage capacity enhancement, need to data servicing personnel etc

1.More online supported Teaching, Research and Innovation

2.Millions of students attend lessons online- necessitating bigger online capacities

1.More content receiving gadgats like, smartphones, laptop etc needed becoming a necessity;

2.More bandwith and data bundles needed henced increased need for support systems (business in this sector will grow)